

## Datasheet

<b>Product Name:</b>	Alpha-Synuclein, Monkey
<b>Catalog #:</b>	S-1021
<b>Source:</b>	Recombinant. A DNA sequence encoding the monkey alpha-synuclein, was expressed in E. coli.
<b>Molecular Weight:</b>	14.47kDa
<b>Protein Purity:</b>	>95% by SDS-PAGE and Mass Spec.
<b>Counter Ion:</b>	Lyophilized in final buffer of 20mM Tris/HCl, 100mM NaCl pH 7.4
<b>Supplied As:</b>	White lyophilized powder
<b>Resuspension:</b>	Resuspend in water at conc. of .1-1 mg/ml. A brief centrifuge and sonication step is recommended to fully suspend the lyophilized pellet.
<b>Storage:</b>	-20°C
<b>Description:</b>	Alpha-Synuclein (a-Synuclein) is a 14 kD (140 amino acids) acidic presynaptic protein. It is a major component of Parkinson's disease aggregates and is implicated in the pathogenesis of Parkinson's Disease and related neurodegenerative disorders. a-Synuclein accumulates in the brains of sporadic Parkinson's disease patients as a major component of Lewy bodies, which are intraneuronal cytoplasmic inclusions characteristic of Parkinson's disease. a-Synuclein appears to associate with other proteins that aggregate and is found in B-amyloid plaques and neuritic tangles in Alzheimer's disease <sup>3</sup> . Monkey alpha-Synuclein has a 98% homologous sequence to Human Alpha-Synuclein.
<b>References:</b>	1) Conway, K.A. et. al., (2000) Biochemistry, 39: 2552 2) Jakes, R. et al. (1994), FEBS Letters, 345: 27 3) Masliah, E. et. al., (2001) Proc. Natl. Acad. Sci., USA, 98: 12245 4) Ueda, K., et. al. (1993) Proc. Natl. Acad. Sci., USA, 90: 11282

**Not for human use, for research purposes only**